

ABSTRACT

A network address translation gateway provides normal network translation for IP datagrams traveling from a local area network using local IP addresses to an external network, but suspends source service address translation when the port is reserved for a specific protocol, such as the ISAKMP "handshaking" protocol that is part of the IPSec protocol model. ISAKMP exchanges require both source and target computers to use the same service address. By providing a network interface that does not translate the source service address, this gateway enables the initiation and maintenance of secure, encrypted transmissions using IPSec protocol between a local area network using local IP addresses and servers on the internet.